#### ASSIGNMENT 1

Textbook Assignment: "Underwater Mine Maintenance System," chapter 1, pages 1-1 through 1-36; and "Mine Handling and Storage," chapter 2, pages 2-1 through 2-27.

- 1-1. The underwater mine maintenance system is designed to ensure that mines are maintained in an RFI status.
  - 1. True
  - 2. False
- 1-2. The underwater maintenance system contains how many levels?
  - 1. One
  - 2.Two
  - 3. Three
  - 4. Four

IN ANSWERING QUESTIONS 1-3 THROUGH 1-7, SELECT FROM THE FOLLOWING LIST THE TYPE OF MAINTENANCE FOR THE ACTION DESCRIBED IN THE QUESTION. ANSWERS MAY BE USED MORE THAN ONCE OR NOT AT ALL.

- A. Programmed
- B. Depot level
- C. Intermediate level
- D. Organizational level
- 1-3. MOMAG activities perform which of the following types of maintenance?
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 1-4. What type of maintenance is a systematic means of maintaining mines in an RFI status?
  - 1. A
  - 2. В
  - 3. C
  - 4. D

- 1-5. Maintenance performed by the user organization on assigned equipment or subassemblies is what type of maintenance?
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 1-6. Contracting facilities perform which of the following types of maintenance?
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 1-7. Assembly, disassembly, and testing of mines is what type of maintenance?
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 1-8. Because programmed maintenance intervals change, for the most current information, you should refer to which of the following publications?
  - 1. NAVSEA SW550-AA-MMI-010
  - 2. NAVSEA SW550-AE-MMI-010
  - 3. NAVSEA SW550-FO-PMS-010
  - 4. NAVSEA SW551-AA-MMI-010
- 1-9. Short-cycle maintenance is performed on which of the following assembly configurations?
  - 1. A only
  - 2. A and B only
  - 3. A, B, and C only
  - 4. A, B, C, D, and F

- 1-10. When the urgency of the situation dictates, which of the following entities is authorized to extend the maintenance on mines afloat?
  - 1. COMOMAG
  - 2.COMINEWARCOM
  - 3. Commanding officer
  - 4. Operational commander
- 1-11. When calculating the extended storage time for a mine, which of the following factors must be considered?
  - 1. Mine type and resistor plug installed
  - 2. Resistor plug installed and storage time of the batteries only
  - 3. Expected life of the mine and storage time of the batteries only
  - 4. Expected life of the mine, resistor plug installed, and storage time of the batteries
- 1-12. The Mk 56 mine assembled to configuration D is subjected to class-B criteria every 6 years. If these mines meet the maintenance extension criteria, the maintenance cycle can be extended what total time?
  - 1. 6 years
  - 2. 2 years
  - 3. 3 years
  - 4. 4 years
- 1-13. An assembly-level item is a component that consists of one or more parts that are designed to function as an end item in a mine assembly.
  - 1. True
  - 2. False
- 1-14. In accordance with NAVSEA SW550-FO-PMS-010, for maintenance purposes, assembly-level components are divided into how many groups?
  - 1. One
  - 2.Two
  - 3. Three
  - 4. Four

- 1-15. Assembly-level items and the group in which they are assigned are listed in which of the following publications?
  - 1. NAVSEA SW023-AB-WHS-010
  - 2. NAVSEA SW550-AA-MMI-010
  - 3. NAVSEA SW550-FO-PMS-010
  - 4. Both 3 and 4 above
- 1-16. Assembly-level items maintained as spares must receive the same maintenance as items installed in mines, but the maintenance can be performed
  - 1. any month during the year
  - 2. any quarter during the year
  - 3. any time within the specified quarter
  - any time during the year at the discretion of the commanding officer or the officer-incharge

IN ANSWERING QUESTIONS 1-17 THROUGH 1-21, SELECT FROM THE FOLLOWING LIST THE MAINTENANCE GROUP CORRECTLY DESCRIBED IN THE QUESTION. ANSWERS MAY BE USED MORE THAN ONCE.

- A. Group 1
- B. Group 2
- C. Group 3
- D. Group 4
- 1-17. Items in this group require no maintenance whatsoever.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 1-18. Items in this group require class-B criteria at long-cycle maintenance.
  - 1. A
  - 2. B
  - 3. C
  - 4. D

1-19. Items in this group require class-B criteria at the	1-24. The completion of an ORDALT or MEFC,
time of installation in the weapon.	
	1. A
1. A	2. B
2. B	3. C
3. C	4. D
4. D	
	1-25. Computer-generated form used to record serial
1-20. Items in this group require no maintenance other	numbers of selected components for the Mk 60
than receipt inspection.	mine.
1. A	1. A
2. B	2. B
3. C	3. C
4. D	4. D
1-21. An extended maintenance period is appropriate to	1-26. To link a component with the mine serial number
items in this group.	that it is currently assembled, which of the follow-
	ing supplements should be maintained by the
1. A	IMA?
2. B	
3. C	1. A
4. D	2. B
	3. C
IN ANSWERING QUESTIONS 1-22 THROUGH 1-26,	4. D
SELECT FROM THE FOLLOWING LIST THE COR-	
RECT REPORT THAT SHOULD BE SUBMITTED	1-27. Constant alertness is very important during
FOR THE DEFINITION DESCRIBED IN THE QUES-	ammunition-handling operations. This is especially
FION. ANSWERS MAY BE USED ONCE, MORE	true when certain tasks are repeated, because repe-
THAN ONCE, OR NOT AT ALL.	tition tends to result in
A. Supplement A	1. carelessness
B. Supplement B	2. over supervision
C. Supplement E	3. under supervision
D. Supplement F	4. safety consciousness
1-22. Problems dealing with improper packaging, no-	1-28. Accidents are usually caused by which of the fol-
menclature, and labeling.	lowing factors?
1. A	1. Not taking precautions
2. B	2. Not following regulations
3. C	3. Not understanding hazards
4. D	4. All of the above

1-23. Safety and logistical problems.

1. A 2. B 3. C 4. D

- 1-29. The training of personnel involved in the storage of ammunition must include instructions in which of the following areas?
  - 1. Magazine security procedures only
  - 2. Color coding of explosives only
  - 3. Magazine identification markings only
  - Magazine security procedures, color coding of explosives and magazine identification markings
- 1-30. The responsibility for ensuring that all personnel who perform explosive operations are certified to perform their jobs lies with which of the following personnel?
  - 1. The commanding officer or officer in charge
  - 2. The quality assurance supervisor
  - 3. The immediate supervisor
  - 4. The department head
- 1-31. A supervisor has the authority to waive ordnance regulations containing the words may or should.
  - 1. True
  - 2. False
- 1-32. It is NOT the supervisor's responsibility to report to his superior anyone, who in his opinion, is unqualified to perform assigned tasks.
  - 1. True
  - 2. False
- 1-33. If an unauthorized person enters the area of operations, the person engaged in ammunition-handling operations should take what immediate action?
  - Order the unauthorized person to leave the area
  - 2. Apprehend the unauthorized person
  - 3. Call the officer of the day
  - 4. Notify the supervisor
- 1-34. The responsibility for ensuring that personnel limits are not exceeded lies with which of the following personnel?
  - 1. The supervisor
  - 2. The department head
  - 3. The commanding officer or officer-in-charge
  - 4. Quality assurance personnel

- 1-35. The personnel limits in an operating building within a magazine area are determined by which of the following entities?
  - 1. CNO
  - 2. FLTCINC
  - COMNAVSEASYSCOM
  - 4. Commanding officer of the activity
- 1-36. When determining personnel limits in mine-handling and storage buildings, which of the following factors must be considered?
  - 1. Type of building
  - 2. Nature of work involved
  - 3. Degree of hazard present
  - 4. All of the above
- 1-37. Personnel limit signs on operating buildings must have what minimum size lettering?
  - 1. 1 inch
  - 2. 2 inches
  - 3. 3 inches
  - 4. 4 inches
- 1-38. When determining explosive limits, which of the following factors must be considered?
  - 1. The type of magazine only
  - 2. The type of magazine and hazards involved only
  - 3. The type of magazine, hazards involved, and quantity-distance relationship
  - 4. The hazards involved, quantity-distance relationship, and distance to nearest roadway
- 1-39. Explosive limit signs for service magazines must have what minimum size lettering?
  - 1. 1 inch
  - 2. 2 inches
  - 3. 3 inches
  - 4. 4 inches
- 1-40. Posted explosive limits may be expressed in which of the following ways?
  - 1. By number of items only
  - 2. By net explosive weight only
  - 3. By the number of containers only
  - 4. By number of items, net explosive weight, or containers

- 1-41. If the explosive limit of a building is exceeded, which of the following actions must be taken?
  - 1. The commanding officer or officer-in-charge must be notified
  - 2. All operations must be discontinued
  - 3. The nearest EOD team must be notified
  - 4. All of the above
- 1-42. After a fuel spill, a vehicle must be towed what minimum distance before it can be started?
  - 1. 20 feet
  - 2. 50 feet
  - 3. 100 feet
  - 4. 150 feet
- 1-43. Gasoline-powered grass cutters may be used on earth-covered magazines up to what distance from ventilators?
  - 1. 18 inches
  - 2. 5 feet
  - 3. 20 feet
  - 4. 50 feet
- 1-44. Grass and/or brush within (a) what maximum distance of an explosive operating building must NOT exceed (b) what maximum height?
  - 1. (a) 25 feet (b) 18 inches
  - 2. (a) 50 feet (b) 10 inches
  - 3. (a) 25 feet (b) 10 inches
  - 4. (a) 50 feet (b) 18 inches

IN ANSWERING OUESTIONS 2-45 THROUGH 2-48, SELECT FROM THE FOLLOWING LIST THE SYM-BOL DESCRIBED IN THE QUESTION. ANSWERS MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

- A. Fire division
- B. Fire-fighting direction
- C. Chemical hazard
- D. Magazine designator
- 1-45. Which of the following symbols represents explosive divisions?
  - 1. A
  - 2. B
  - 3. C
  - 4. D

- 1-46. Which of the following symbols indicates toxic fumes?
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 1-47. Which of the following symbols gives explosive characteristics?
  - 1. A
  - 2 B
  - 3. C
  - 4. D
- 1-48. Which of the following symbols provides the hazard of the explosives contained in a building?
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 1-49. Fire and chemical hazard symbols should be visible from what distance in daylight?
  - 1. 500 feet
  - 2. 1000 feet
  - 3. 500 yards
  - 4. 1000 yards
- 1-50. A power ground has which of the following purposes?
  - 1. Prevent arcing only
  - 2. Protect equipment from overvoltage only
  - 3. Prevent shock to personnel only
  - 4. Prevent arcing, protect equipment from overvoltage, and prevent shock to personnel
  - 1-51. Static ground systems can NOT be connected/ interconnected to which of the following items?
    - 1. Water pipes
    - 2. Ordnance grounds
    - 3. Secondary ground system
    - 4. Rods driven into the ground

- 1-52. Ground systems should be inspected at what specific interval?
  - 1. Every 3 months
  - 2. Every 4 months
  - 3. Every 6 months
  - 4. Every 24 months
- 1-53. A red flag must be displayed at the entrance to each magazine where there is work to be performed.
  - 1. True
  - 2. False
- 1-54. All ammunition must be removed from an explosive operating building if the building is to be inactive in excess of what time frame?
  - 1. 48 hours
  - 2. 72 hours
  - 3. 108 hours
  - 4. 132 hours
- 1-55. Magazines must be inspected at a minimum of how often?
  - 1. Before initial use only
  - 2. Before reuse use only
  - 3. Before both initial use and reuse
  - 4. Every 12 months
- 1-56. Quantity-distance requirements are established for which of the following purposes?
  - 1. To simplify handling
  - 2. To protect personnel from injury
  - 3. To provide maximum storage in magazines
  - 4. To ensure proper segregation of explosive materials
- 1-57. The United Nations Organization hazard classification system consists of how many classes of dangerous materials?
  - 1. Nine
  - 2. Two
  - 3. Seven
  - 4. Four

- 1-58. Hazard class-1 material is further subdivided into what total number of divisions?
  - 1. Eight
  - 2. Two
  - 3. Six
  - 4. Four
- 1-59. The procedures for requesting exemptions and waivers are contained in which of the following publications?
  - 1. NAVSEA OP 5, Volume 1
  - 2. NAVSEA OP 5, Volume 2
  - 3. NAVSEAINST 8023.20
  - 4. OPNAVINST 8023.20
- 1-60. An exemption may be granted for a maximum period of (a) years, and a waiver may be granted for a maximum period of (b) years.
  - 1. (a) 5
- (b) 1
- 2. (a) 5
- (b) 2
- 3. (a) 2 4. (a) 1
- (b) 5 (b) 5
- 1-61. During hazardous material handling, many accidents are caused by which of the following factors?
  - 1. Carelessness only
  - 2. Carelessness and lack of knowledge only
  - Lack of knowledge and improper equipment only
  - 4. Carelessness, lack of knowledge, and improper equipment
- 1-62. Industrial materials-handling equipment that is generally used in ordnance handling inside a magazine is which of the following types?
  - 1. D and DS
  - 2. DS and EE
  - 3. EE and EX
  - 4. EX and GS

- 1-63. MHE is marked for identification of use by which of the following characteristics?
  - 1. 4-inch, black, block letters on both sides and the rear
  - 2. 3-inch, black, block letters on both sides and the rear
  - 3. 4-inch, blue, block letters on both sides and the rear
  - 4. 3-inch, blue, block letters on both sides and the rear
- 1-64. The frequency of MHE tests for shore activities must not exceed what length of time?
  - 1. 12 months only
  - 2. 500 operational hours only
  - 3. 12 months or 500 operational hours only
  - 4. 14 months
- 1-65. Drivers of vehicles transporting hazardous materials off-station must be at least 21 years old?
  - 1. True
  - 2. False

- 1-66. Portable ordnance-handling equipment used ashore must be tested at what specific intervals?
  - 1. 6 months
  - 2. 12 months
  - 3. 14 months
  - 4. 24 months
- 1-67. After portable ordnance-handling equipment has been satisfactorily tested, it should be marked in which of the following ways?
  - 1. Testing facility only
  - 2. Date tested and safe working load only
  - Testing facility, safe working load, and date tested only
  - 4. Testing facility, safe working load, date tested, and next test date

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(Refer to instructions in front of course)

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